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DATE PUBLISHED	Oct 1950	SUPPLEMENT TO REPORT NO.	
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SOURCE Elektrichestvo, No 10, 1950, p 96.

NEW SOVIET BOOKS ON ELECTRICITY, ELECTRICAL ENGINEERING AND ELECTRIC POWER, ANNOUNCED IN OCTOBER 1950

The following Soviet books on electricity, electrical engineering, and electric power were all printed in 1950.

1. Automatization and Telemechanization of Hydroelectric Power Stations (Avtomatizatsiya i telemekhanizatsiya GES), edited by V. F. Balakirev, Gosenergoizdat, 312 pp, R (rubles) 16.00. A collection of articles.

2. Alexandr Vasil'yevich Vinter, A. P. Yepifanova, Izdatel'stvo Akademii Nauk SSSR, 30 pp, R 1.00. Contains an introductory article by G. M. Krzhizhanovskiy.

3. Lightning Arrestors for Protection From Atmospheric Overvoltages (Razryadnikidlya zashchity ot atmosfernykh perenapryazheniy), A. I. Apraksin, edited by B. N. Shklyar, Gosenergoizdat, 72 pp, R 3.75.

4. Electricity at Work (Elektrichestvo rabotayet), G. I. Babat, Gosenergoizdat, 416 pp, R 13.00.

5. Capacitive Power Loading of High-Voltage Transmission Lines Supplying Small Consumers (Yemkostnyy otbor moshchnosti ot vysokovoltnykh liniy elektroperadachi dlya pitaniya melkikh potrebiteley,, G. N. Baskakov, Gosenergoizdat, 40 pp, R 1.75.

6. Excitation Regulation and the Static Stability of Synchronous Machines (Regulirovaniye vozhbuzhdeniya i staticheskaya ustoychivost' sinkhronnoy mashiny), M. M. Botvinnik, Gosenergoizdat, 63 pp, R 2.75.

7. Theory of Relay-Contact Circuits (Teoriya releyno-kontaktnykh skhem), M. A. Gavrilov, Izdatel'stvo Akademii Nauk SSSR, 304 pp, R 20.00.

8. Electrification in Uzbekistan During the Past 25 Years (Elektrifikatsiya Uzbekistana za 25 let), B. A. Desyatchikov, Gosizdat Uzbek SSR, 80 pp, R 1.90.

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9. Radio Engineering Course for Military Communications Schools (Kurs radiotekhniki dlya voyennykh uchilishch svyazi), N. M. Izyumov, Voyennoye Izdatel'stvo (2d edition). 552 pp, R 16.00.

10. Instructions for Converting the Moscow Low-Voltage Distribution System to a Line Voltage of 220 Volts Using Neutrals (Instruktsiya po perevodu elektricheskoy seti nizkogo napryazheniya Moskvy na lineynoye napryazheniye 220 v s primeneniyem neytralerov), Gosenergoizdat, 104 pp, R 5.00.

11. Instructions for Operating Electric Motors at Voltages up to 500 Volts on State Farms and Enterprises Belonging to the Ministry of State Farms (Instruktsiya po ekspluatatsii elektrodvigateley napryazheniyem do 500 v v sovkhozax i predpriyatiyakh ministerstva sovkhozov), Izdatel'stvo Ministerstva Sovkhozov, 78 pp, free.

12. Petr Nikolayevich Lebedev (1866 - 1912), N. A. Kaptsov, 39 pp, R 2.50.

13. Communication Cables (Kabeli svyazi), TsBTI MEP SSSR (Central Bureau of Thermotechnical Institutes, Ministry of Electrical Industry USSR), 23 pp.

14. A Sharp-Eyed Assistant -- Photoelectronics and Its Applications (Ostryy pomoshchnik -- fotoelektronika i yeye primeneniya), I. D. Flement'yev, edited by V. K. Arkad'yev, Gostekhizdat, 64 pp, R 1.50.

15. Principles of Vacuum Techniques (Osnovy vakuumnoy tekhniki), B. I. Korolev, Gosenergoizdat. 240 pp, R 8.65. A textbook for technical schools.

16. Design of Small Power Transformers and Filter Chokes (Rashchet malomoshchnykh silovykh transformatorov i drosseley filtrov), S. N. Krize, 40 pp, R 1.50.

17. A Manual on the Use of Protective Relaying and Fusing in Electric Farm Machinery (Rukovodstvo po releynoy zashchite i goshelite plavkimi predokhranitelyami sel'skikh elektroustanovok), I. Lugo'skiy, Glavsel'elektro, Part I, 62 pp, R 12.00; Part III, 131 pp, R 12.00.

18. Principles of Automatic Regulation (Osnovy avtomaticheskogo regulirovaniya), V. L. Lossiyevskiy, edited by V. S. Kulebakin, Gosenergoizdat, 111 pp, free.

19. Operation of Hydraulic Equipment in Rural Hydroelectric Power Stations (Ekspluatatsiya gidrotekhnicheskikh sooruzheniy sel'skikh GES), M. V. Lugovskiy, Sel'khozgiz, 168 pp, R 2.55.

20. Operational Calculus and Its Application to Problems in Mechanics (Operatsionnoye ischisleniye i ego prilozheniya k zadacham mekhaniki), A. I. Lur'ye, 2d edition, completely revised, State Publishing House for Technical and Theoretical Literature, 431 pp, R 15.30.

Gives a definition of the Laplace transform and its basic properties and includes examples of simple functions. Describes the irrigation of linear differential equations with constant coefficients, considers various applications of operational calculus, and includes advanced mathematical material requiring knowledge of the theory of functions of a complex variable.

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The second edition is virtually a new book because most of the material in the first edition has been omitted and new material added. The most important addition is the description of the method for constructing periodic solutions of differential equations in a closed form.

The book was written for engineers.

21. The Electric Eye -- Photoelectric Cells and Their Use (Elektricheskikh glaz -- fotoelementy i ix primeneniye), V. A. Mezentsev, published by "Tekhnika da Shroma," 60 pp, R 2.50, (in Georgian language).

22. Conversion of Electric Machines and Tables of Winding Data (Pereschet elektricheskikh mashin i tablitsy obmotochnykh dannykh), V. V. Meshcheryakov, I. M. Chentsov, Gosenergoizdat, 176 pp, R 21.00.

23. The Mobile Electric Power Plant PES-60 (Peredvizhnaya elektrostantsiya PES-60), Goslesbumizdat, 116 pp, R 8.80. A manual on operation and maintenance.

24. Phase-by-Phase Repair of High-Voltage Overhead Transmission Lines (Pofaznyy remont vysokovol'tnykh vozdushnykh liniy elektroperedachi), edited by I. A. Syromyatnikov, Gosenergoizdat, 88 pp, R 3.65.

25. The Use of Electric Power in Collective Farms (Primeneniye elektroenergii v kolkhozakh), edited by N. A. Sazonov, translated into Georgian by A. P. Kizariya, Gosizdat Georgian SSR, 88 pp, R 3.65.

26 Floodlight Projectors Type PZ and PZO (Prozhektory zalivayushchego sveta PZ i PZO), TsBTI MEP SSSR, 10 pp, price not given.

27. Principles of Electrical Engineering (Osnovy elektrotekhniki), E. Rasovskiy, 130 tables with 15 pp of explanatory text, Gosenergoizdat, 45 pp, R 45.00.

28 Instruction for the Installation and Operation of Street Lighting (Rukovodyashchiye ukazaniya po ustroystvu i eksploatatsii ulichnogo osveshcheniya), Izdatel'stvo Ministerstva Kommunal'nugo Khozyaystva RSFSR, 100 pp, R 3.50.

29. Design of Electric Networks (Elektricheskiy raschet elektrosetey), A. Ya. Ryabkov, Gosenergoizdat, 351 pp, R 20.00.

30. Design of Electric Networks (Elektricheskiy raschet elektrosetey), A. Ya. Ryabkov, Gosenergoizdat, 400 pp, R 16.20. A textbook for use in higher educational institutions having electrical engineering specialties.

31. A Handbook on Materials Used in Vacuum Techniques (Sbornik materialov po vakuumnoy tekhnike), edited by R. A. Nilender, Gosenergoizdat, 68 pp, R 3.00.

32. A Handbook of Charges for Electricity and Steam (Sbornik tarifov na elektricheskuyu i teplovuyu energiyu), Gosenergoizdat, 96 pp, R 5.00.

Lists charges made by rayon power administrations, and power combines of electric power stations belonging to the Ministry of Electric Power Stations.

33. The Modern Cathode-Ray Oscillograph (Sovremennyy katodnyy ostsillograf), collection of articles edited by I. S. Abramson, translations from English by L. S. Shelkov and V. A. Trofimova. Part I, Construction and Operation of the Cathode-Ray Oscillograph, Izdatel'stvo Akademii Nauk SSSR, 192 pp, R 12.00.

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34. Elements of Automatic Control and Telemechanics Equipment (Elementy avtomaticheskoy i telemekhanicheskoy apparatury), B. S. Sotskov, Gosenergoizdat, 660 pp, R 33.00.

35. Operating Conditions for Induction Motors (Rezhimy raboty asynkhronnykh dvigateley), I. A. Syromyatnikov, Gosenergoizdat, 239 pp, R 14.10.

36. Standard Example of a Double-Unit Hydroelectric Station Employing a Channel in a Stone Building With Vertical Turbines (Tipovoy primer dvukhagregatnoy GES na kanale v kamennom zdanii s vertikalnymi turbinami), Album No T-103, Glavsel'elektro, R 7.50.

37. Standard Example of a Single-Unit Hydroelectric Station Located in the Stone Structure of a Dam With Vertical Turbines (Tipovoy primer odnoagregatnogo GES y kammenom beregovom ustoye plotiny s vertikalnymi turbinami), Album No T-91, Glavsel'elektro, R 7.50.

38. Methods of Analyzing Experimental Data (Metody obrabotki eksperimental'nykh dannykh), A. Waring, J. Heffner, translated from English by L. A. Shokhat, edited by A. S. Monin, Izdatel'stvo Inostrannoy Literatury, 364 pp, R 23.50.

39. Summary of Lectures for an Electronic Instruments Course (Konspekt lektsii po kursu elektronnykh priborov), N. N. Khlebnikov, Transzheldorizdat, 388 pp and 13 tables, R 12.00

40. A Guide to Laboratory Work in Electrical Engineering (Rukovodstvo k laboratornym rabotam po elektrotekhnike), V. D. Chekanov, Metallurgizdat, 160 pp, R 6.50. A textbook for use in technical schools.

41. Internal Wiring in Electrical Farm Machinery (Montazh vnutrenney elektroprovodki v sel'skikh elektroustanovkakh), A. A. Shatan, Sel'khozgiz, 116 pp, R 1.80.

This book is reviewed in Elektrichestvo, No 10, 1950, p 95.

42. Electrical Engineering Handbook for Shop Power Engineers (Elektrotekhnicheskiy spravochnik energetika tsekha), edited by N. F. Tikhonov, Chelyabinsk Oblast Izdatel'stvo, 347 pp, R 20.20.

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